

TRIANGULAR TRICKS

SUSAN THORPE

Great Missenden, Buckinghamshire, England

thorped@hotmai.com

Triangular Progressions etc. have recently appeared in Word Ways 2009088, 2009167 and 2009185*.

In addition to words which form UPRIGHT triangles, other words form INVERTED triangles and, within each of these two forms, there are 3 categories:

1. the letter totals of successive rows in the triangle increase (progress) by a constant amount.
2. the letter totals of successive rows in the triangle decrease (regress) by a constant amount.
3. the letter totals of successive rows in the triangle neither increase nor decrease, they 'stand still'.

This makes six triangular categories in total.

My search is confined to 6-letter words.

For triangular progressions in upright triangles see *Triangular Progressions* (WW 2009088).

Unreferenced words can be found in the Oxford English Dictionary, Second Edition

OSPD = Official Scrabble Players Dictionary Web2 = Webster's Second Edition

1. TRIANGULAR PROGRESSIONS

INVERTED TRIANGLE

+1	AMB.LE.R	16.17.18
+2	DEC.AM.P	12.14.16
+3	MAE.RD.Y	19.22.25 (U.K.)
+4	DEC.OA.T	12.16.20
+5	AGA.MA.S	9.14.19 (Namibia)
+6	CAC.HE.S	7.13.19
+7	BAB.KA.S	5.12.19 (OSPD)
+8	BAF.LE.Y	9.17.25 (Somalia)
+9	CAC.KE.Y	7.16.25(W. Indian word)
+10	BAB.IF.Y	5.15.25

2. TRIANGULAR REGRESSIONS

UPRIGHT TRIANGLE

-1	U.SA.BLE	21.20.19
-2	P.IE.CED	16.14.12
-3	P.AL.ADE	16.13.10
-4	U.NC.AGE*	21.17.13
-5	S.AM.ECA	19.14.9 (Mexico)
-6	Y.EN.DED	25.19.13 (ended)
-7	T.AL.ADA	20.13.6 (Togo)
-8	T.AK.ABA	20.12.4 (Chad)
-10	Y.AN.ACA	25.15.5 (Peru)

INVERTED TRIANGLE

-1	ARA.NE.R	20.19.18
-2	BIG.GI.N	18.16.14
-3	GAB.BE.D	10.7.4
-4	DIN.ER.S	27.23.19
-5	HEA.DE.D	14.9.4
-6	CLO.SE.R	30.24.18
-7	SAL.TE.R	32.25.18
-8	HAL.ID.E	21.13.5
-9	PEB.BLE	23.14.5
-10	AVO.WE.R	38.28.18

3. TRIANGULAR STANDSTILLS

UPRIGHT TRIANGLE

H.AG.EBA	8.8.8 (Libya)
	9.9.9
	10.10.10
K.IB.BED	11.11.11 ('cracked' maize)
L.AK.AJA	12.12.12 (Lithuania)
M.AL.AIC	13.13.13 (Somalia)
N.AM.ALA	14.14.14 (Fiji)
O.NA.CAK	15.15.15 (Turkey)
P.IG.GED	16.16.16
Q.IH.HAH	17.17.17 (Kuwait)
R.EM.EID	18.18.18 (remedy)
S.OD.DAN	19.19.19 (sudden)
T.AS.KED	20.20.20
U.NG.LED	21.21.21
V.AU.NCE	22.22.22
W.ER.DEN	23.23.23 (Lithuania)
	24.24.24
Y.IP.PED	25.25.25
Z.AY.ATE	26.26.26 (Syria)

INVERTED TRIANGLE

AAF.EC.H	8.8.8 (Syria)
	9.9.9
	10.10.10
	11.11.11
BAI.KA.L	12.12.12
AIC.HE.M	13.13.13 (Algeria)
AID.MA.N	14.14.14 (OSPD)
ALB.AN.O	15.15.15 (Angola)
	16.16.16
	17.17.17
DAM.ME.R	18.18.18
DJE.RA.S	19.19.19 (Chad)
NEA.KI.T	20.20.20 (naked)
GEI.TA.U	21.21.21 (Germany)
	22.22.22
KIC.HO.W	23.23.23 (China)
EAR.WA.X	24.24.24
IDL.ET.Y	25.25.25
ARG.YA.Z	26.26.26 (Armenia)

-11	BUD.GI.E	27.16.5
-12	DUC.KE.D	28.16.4
-13	BUG.LE.D	30.17.4
-14	JIN.GLE	33.19.5
-15	JOI.NE.D	34.19.4
-16	INN.AT.E	37.21.5
-17	DUM.PE.D	38.21.4
-18	RAV.IN.E	41.23.5
-19	SHO.RE.D	42.23.4
-20	HOU.SE.D	44.24.4
-21	VES.TE.D	46.25.4
-22	YRE.UE.D	48.26.4 (plundered)
-23	WOL.VE.D	50.27.4
-24	SUL.WE.D	52.28.4 (soiled)
-25	STO.ON.D	54.29.4 (Web2)